HOW TO APPLY

In order to apply for the FDP, a candidate under DTE has to follow a two step procedure as follows.

2. Login to the portal and apply for the particular course from the list of available courses.

A participant who is not under DTE, has to visit the website http://admissions.dte.kerala.gov.in/tpms and click on the +Read More button in the Apply For a Course tab and apply through Others option.

Duly filled registration form, endorsed by the Head of the Institution, should be sent to the programme coordinator on or before 9th October 2019. (Scanned copy of registration form may be sent in advance to E-Mail ID: sajith.b@gcek.ac.in) For more information and online registration, please visit www.gcek.ac.in/nlp

CONTACT DETAILS

Prof. SAJITH B.
Assistant Professor
Dept. of Computer Science and Engineering
Govt. College of Engineering Kannur
Mangattuparamba, Parassinikkadavu. P.O.
Kannur, Kerala – 670 563
Mob : 9745950988
Email: sajith.b@gcek.ac.in

Online Registration: www.gcek.ac.in/nlp

IMPORTANT DATES

Last date of receiving application 9th October 2019
Intimation about selection 10th October 2019
Programme 14 - 19 October 2019 (6 days)
ABOUT THE INSTITUTE

Government College of Engineering, Kannur is one of the premier institutes among the nine Government Engineering Colleges in Kerala and was established in the year 1986 under The Department of Technical Education, Government of Kerala. The college is functioning in a sprawling 68-acre scenic campus, having sound and self-sufficient infrastructure, at Mangattuparamba, near the National Highway, 15 kms from the headquarters of Kannur district. The college is affiliated to Kerala Technological University. It offers five B.Tech Degree programmes in Civil Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Computer Science and Engineering branches. The college also offers four M.Tech programmes in Civil Engineering (Computer Aided Structural Engineering), Mechanical Engineering (Advanced Manufacturing and Mechanical Systems Design), Electrical and Electronics Engineering (Power Electronics and Drives), and Electronics and Communication Engineering (Signal Processing and Embedded Systems). Doctoral programmes are also offered under Kerala Technological University. The institution is recognized by Kerala Technological University as a ‘Centre of Excellence in Systems, Energy and Environment’. Research works are also being carried out in technical collaboration with Delft University, The Netherlands.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering currently runs four batches of B.Tech programmes affiliated to Kerala Technological University. The department is always committed to produce quality engineers with profound technical knowledge in Computer Science and Engineering. The graduates also acquire good practical knowledge through well-equipped laboratories and high leadership qualities, communication skills and decision making capabilities through the co-curricular and extracurricular activities.

Students are well placed through campus placements and few are also selected for higher studies in reputed institutions. The Department of Computer Science and Engineering runs the Central Computing Facility of the college in the main block supported by six specialized laboratories in the department block.

ABOUT THE COURSE

Natural language processing (NLP) is a branch of artificial intelligence that helps computers understand, interpret and manipulate human language. NLP draws from many disciplines, including computer science and computational linguistics, in its pursuit to fill the gap between human communication and computer understanding.

OBJECTIVES OF THE PROGRAMME

To motivate participants to explore various applications of Natural Language Processing.

EXPECTED OUTCOMES

After the successful completion of the training programme, the participants will be able to:

1. Write programs using python
2. Apply different steps of Natural Language Processing namely lexical analysis, parsing, semantic analysis, discourse integration and pragmatic analysis
3. Investigate applications of NLP namely Sentiment Analysis and Opinion Mining.
4. Apply Deep Learning in NLP

COURSE CONTENTS

Hands on sessions

- Basics of Python
- Introduction and Basic Text Processing
- Spelling Correction, Language Modeling
- Advanced smoothing for language modeling, POS tagging
- Models for Sequential tagging
- Syntax – Constituency Parsing
- Dependency Parsing
- Distributional Semantics
- Lexical Semantics
- Topic Models
- Entity Linking, Information Extraction
- Text Summarization, Text Classification
- Sentiment Analysis and Opinion Mining
- NLP and Deep Learning